

Notice of Allowability

Application No.

09/310,091

Examiner

Annan Q. Shang

Applicant(s)

PARK, YONG-SEOK

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 10/03/05.
2. ☒ The allowed claim(s) is/are 1-29.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

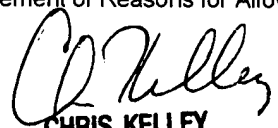
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


CHRIS KELLEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-29 are allowed.
2. The following is an examiner's statement of reasons for allowance: with respect to claim 1, the instant invention is directed to a method for changing channel information in a digital TV receiver and a computer program on a medium for changing channel information in a digital TV Receiver. The prior art of records, such as **Chaney (5,473,609)** discloses method and apparatus for processing a conditional access program guide as for a satellite TV service. **Chaney (5,841,433)** discloses digital television system channel guide having a limited lifetime. **Suzuki et al (5,864,358)** disclose method for switching programs in digital broadcasting receiving apparatus. **Tomioka et al (6,606,748)** disclose information providing method, which enables data communication costs to be reduced. However, neither, **Cnaney '609**, **Chaney '433**, **Suzuki** nor **Tomioka**, and any of the cited references teach or suggest, alone or in combination the feature of "storing PMT information in a first database when the PMT parsing is the initial PMT parsing and storing changed PMT information in a second data base when the PMT parsing is not the initial parsing and comparing the stored changed channel information and channel information stored already, for updating the channel information, where the comparing includes comparing a first channel list and a second channel list to determine added channels or canceled channels and updating the channel information," as recited in the instant invention with respect to independent claim 1.

With respect to claims 9 and 18, neither, **Chaney '609, Chaney '433, Suzuki nor Tomioka**, and any of the cited references teach or suggest, alone or in combination the feature of "storing a first channel list in a first database..." "storing the recent version includes storing a second channel list in a second database and updating the channel information by comparing the stored recent version of the channel information with a previous version of the channel information, where the updating the channel information includes comparing a first channel list and a second channel list to determine added channels or canceled channels," as recited with in the instant invention with respect to independent claims 9 and 18.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Rzeszewski et al (5,917,481) disclose electronic TV program guide with selective updating.

Reitmeier (6,118,498) discloses channel scanning and channel change latency reduction in ATSC TV receiver.

Ellis et al (6,928,653) disclose interactive EPG with database configurability.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Annan Q. Shang** whose telephone number is **571-272-7355**. The examiner can normally be reached on **700am-400pm**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Christopher S. Kelley** can be reached on **571-272-7331**. The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the **Electronic Business Center (EBC)** at **866-217-9197 (toll-free)**.



Annan Q. Shang



CHRIS KELLEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600